From: Sgraves@TechLawInc.com
Sent: 1/4/2012 12:05:49 PM

To: "Richard Rupert/R3/USEPA/US" <Rupert.Richard@epamail.epa.gov>
CC:
Subject: RE: Dimock - Analytical Questions

Rich,
You had asked why we were analyzing for dissolved methane, ethane, and ethane under two analytical methods (Isotech and RSK-175). We took a close look at the 2 methods and determined that it would be best to just use the RSK-175 Method for the dissolved gases. We will be dropping the Isotech Method for dissolved gases.
The costs for rapid turn-around-time for the RSK-175 Method is an additional 50% surcharge on top of the analytical cost. If analyze all 71 samples the increase TAT will cost an additional Ex. 4 - CBI The expedited TAT for ethylene glycol will cost an additional Ex. 4 - CBI, while the 2-Methoxyethanol will be Ex. 4 - CBI The total cost for running the expedited TAT is approx. **Ex. 4 - CBI** The metals analysis that you requested for expedited TAT is being handled by Fort Meade so I don't know the additional costs for those.
Thanks,

Suddha Graves
TechLaw, Inc.

From: Richard Rupert [mailto:Rupert.Richard@epamail.epa.gov]
Sent: Wednesday, January 04, 2012 5:33 AM
To: Graves, Suddha
Subject: Fw: Dimock - Analytical Questions

Good morning Sudda,
Please see below for two of the answers. the answer about bacteria will come later this morning.
Are there any issues regarding the fast turn arounds right now? Give me a call about 0900 if you can so we can chat a bit about the issue. Use mobile below please.
thanks
Rich

Richard Rupert
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----- Forwarded by Richard Rupert/R3/USEPA/US on 01/04/2012 05:25 AM -----
From: Ralph Ludwig/ADA/USEPA/US
To: Richard Rupert/R3/USEPA/US
Date: 01/03/2012 06:54 PM
Subject: Re: Fw: Dimock - Analytical Questions

Hi Rich,
Yes, I agree with statement/question 2. There is no need to do alkalinity, pH, sulfide, ferrous iron, or

turbidity in the lab. Ferrous iron, however, is not a substitute for total iron. Total iron will still need to be done in the lab (ICP-OES).
Regarding statement/question 1, we use RSK-175 to quantify methane, ethane, propane, and butane.

I noticed the temperatures had plunged in PA. Hang in there. Hopefully things will warm up for you as the week progresses.
Cheers,
Ralph

Ralph D. Ludwig, Ph.D.
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From: Richard Rupert/R3/USEPA/US
To: "Ralph Ludwig" <Ludwig.Ralph@epamail.epa.gov>
Date: 01/03/2012 05:32 PM
Subject: Fw: Dimock - Analytical Questions

Hi Ralph,
I am up in Dimock freezing right now.
Would you mind weighing in on question 2 please. I think I have the others covered, but always welcome comments so please feel free to offer your thoughts.
Thanks
Rich

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From: "Graves, Suddha" [Sgraves@TechLawInc.com]
Sent: 01/03/2012 06:17 PM EST
To: Richard Rupert
Cc: Richard Fetzer; "Nance, Gene" <Gnance@TechLawInc.com>; "Carter, Joe" <Jcarter@TechLawInc.com>
Subject: Dimock - Analytical Questions
Rich Rupert,
Hope you had a good Christmas and New Year.
We had a couple questions pertaining to the analysis of samples for Dimock, which I was hoping you could provide some clarification.
1. In an e-mail sent from you to Joe Carter on 12/22/11, you had specified a list of parameters that you wanted expedited turn-around-times for. One of them was methane. There are 2 methods being used to analyze for dissolved methane (Isotech and the RSK-175 Method). We are assuming you wanted it for the "Dissolved Gases, Methane, Ethane, & Ethene" by (RSK-175). Is this correct?
2. I wanted to point out that since we will be utilizing the HACH kits for field screening of turbidity,

alkalinity, ferrous iron, and dissolved sulfide we removed any of these which had been on the list of parameters that will be analyzed by a laboratory. Additionally, we will be using the YSI water quality instrument to measure pH and a sample will not submitted to a lab for pH analysis. Are you OK with this?

3. We have a lab lined up to analyze samples for "Bacteria (Fecal & total coliform, HPC)". The analytical method the lab uses for fecal coliform is "Method SM 9222B / Enumeration", for EColi Confirmation "Method Colitag - / No Enumeration", and for HPC "Method SM 9215B" Are these Methods acceptable?

We will have several more methods being proposed by laboratories tomorrow. I will send these proposed methods to you for confirmation as soon as we receive them.
Thanks,

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